

Appl. No. 10/630,211
Amdt. dated February 14, 2005
Reply to Office Action of November 17, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) An absorbable, crystalline, monocentric, polyaxial copolymer comprising:
 - a central atom selected from the group consisting of carbon and nitrogen;
 - and
 - at least three axes originating and extending outwardly from the central atom, each axis comprising:
 - an amorphous, flexible component adjacent to and originating from the central atom, the amorphous component comprising repeat units derived from at least one cyclic monomer selected from the group consisting essentially of carbonates and lactones;
 - and
 - a rigid, crystallizable component extending outwardly from the amorphous, flexible component, the crystallizable component comprising repeat units derived from at least one lactone;
- wherein the copolymer comprises a melting temperature greater than 120°C, a heat of fusion greater than 10 J/g, and an endothermic transition at 40 - 100°C, wherein the endothermic transition can be controlled by subsequent heat treatment of the copolymer.

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2. (original) The copolymer set forth in claim 1 wherein the subsequent heat treatment comprises orientation.
3. (original) The copolymer set forth in claim 1 wherein the subsequent heat treatment comprises annealing above 25°C.
4. (original) The copolymer set forth in claim 1 wherein the crystallizable component comprises repeat units derived from l-lactide.
5. (original) The copolymer set forth in claim 1 wherein the crystallizable component comprises repeat units derived from glycolide.
6. (original) The copolymer set forth in claim 4 wherein the crystallizable component comprises repeat units derived from a second monomer selected from the group consisting of trimethylene carbonate, caprolactone, p-dioxanone, and 1,5-dioxepan-2-one.
7. (original) The copolymer set forth in claim 5 wherein the crystallizable component comprises repeat units derived from a second monomer selected from the group consisting of trimethylene carbonate, caprolactone, p-dioxanone, and 1,5-dioxepan-2-one.
8. – 17. (withdrawn)